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### SEQUENCE LISTING

<110> Hubbell, Jeffrey A.
 Elbert, Donald
 Lutolf, Matthias
 Pratt, Alison
 Schoenmakers, Ronald
 Tirelli, Nicola
 Vernon, Brent

<120> BIOMATERIALS FORMED BY NUCLEOPHILIC ADDITION REACTION TO CONJUGATED UNSATURATED GROUPS

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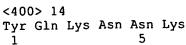
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Ser Tyr Lys Met Ala Asp 1 5

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Pro Gln Gly Leu Leu Gly
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Pro Gln Gly Ile Leu Gly
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Gly Pro Gln Gly Arg Ala Gly Gln
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 Gly Pro Gln Gly Ile Ala Ser Gln
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Ile Lys Val Ala Val
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Tyr Ile Gly Ser Arg
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Pro Asp Ser Gly Arg
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<400> 46
Arg Asn Ile Ala Glu Ile Ile Lys Asp Ala
                  5
<210> 47
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<223> Based on Homo sapiens
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<400> 47
Arg Gly Asp Thr
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<211> 4
<212> PRT
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<223> Based on Homo sapiens
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Asp Gly Glu Ala
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Val Thr Xaa Gly
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<221> VARIANT
<222> 1,4,6
<223> Xaa=Met, Leu, Ala, Ile, Val, Phe, or Pro
<221> VARIANT
<222> 2,3,5
<223> Xaa=Arg or Lys
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Xaa Xaa Xaa Xaa Xaa
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<400> 51
Pro Arg Arg Ala Arg Val
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Tyr Glu Lys Pro Gly Ser Pro Pro Arg Glu Val Val Pro Arg Pro Arg
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Pro Gly Val
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Arg Pro Ser Leu Ala Lys Lys Gln Arg Phe Arg His Arg Asn Arg Lys
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Gly Tyr Arg Ser Gln Arg Gly His Ser Arg Gly Arg
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<211> 17
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Arg Ile Gln Asn Leu Leu Lys Ile Thr Asn Leu Arg Ile Lys Phe Val
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Lys
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Lys Xaa Phe Ala Lys Leu Ala Ala Arg Leu Tyr Arg Lys Ala
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<212> PRT
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<223> Based on Homo sapiens
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Lys His Lys Gly Arg Asp Val Ile Leu Lys Lys Asp Val Arg
<210> 57
<211> 8
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<223> Based on Homo sapiens
<400> 57
Tyr Lys Lys Ile Ile Lys Lys Leu
<210> 58
<211> 9
<212> PRT
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<223> Based on Homo sapiens
<400> 58
Gly Cys Tyr Lys Asn Arg Asp Cys Gly
<210> 59
<211> 16
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<223> Based on Homo sapiens





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Gly Cys Asp Asp Gly Pro Gln Gly Ile Trp Gly Gln Asp Asp Cys Gly
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<211> 16
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<220>
<223> Based on Homo sapiens
<400> 60
Gly Cys Arg Asp Gly Pro Gln Gly Ile Trp Gly Gln Asp Arg Cys Gly
<210> 61
<211> 11
<212> PRT
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<220>
<223> Based on Homo sapiens
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Gly Cys Gly Tyr Gly Arg Gly Asp Ser Pro Gly
 <210> 62
 <211> 10
 <212> PRT
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 <221> MOD RES
 <222> (1)...(10)
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 <400> 62
 Xaa Cys Gly Tyr Gly Arg Gly Asp Ser Xaa
                  5
 <210> 63
 <211> 13
 <212> PRT
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 <223> Based on Homo sapiens
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10

1

5

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<212> PRT
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Gly Cys Gly Tyr Gly Arg Gly Asp Ser
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<400> 65
Gly Lys Lys Lys Gly Cys Tyr Lys Asn Arg Asp Cys Gly
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<223> Xaa at position 4 is D-Lys. Xaa at position 6 is
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Gly Cys Tyr Xaa Asn Xaa Asp Cys Gly
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<210> 67
<211> 13
<212> PRT
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<210> 69
<211> 156
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Arg Gly Ser His Met Lys Asp Pro Lys Arg Leu Tyr Arg Ser Arg Lys
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Glu Phe Ser Val Cys Asp Ser Val Ser Val Trp Val Gly Asp Lys Thr
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Thr Ala Thr Asp Ile Lys Gly Lys Glu Val Met Val Leu Gly Glu Val
                    70
Asn Ile Asn Asn Ser Val Phe Lys Gln Tyr Phe Phe Glu Thr Lys Cys
                                     90
                85
Arg Asp Pro Asn Pro Val Asp Ser Gly Cys Arg Gly Ile Asp Ser Lys
                                 105
                                                     110
            100
His Trp Asn Ser Tyr Cys Thr Thr His Thr Phe Val Lys Ala Leu
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        115
Thr Met Asp Gly Lys Gln Ala Ala Trp Arg Phe Ile Arg Ile Asp Thr
                         135
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Ala Cys Val Cys Val Leu Ser Arg Lys Ala Val Arg
 145
                     150
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 gaactcgaga gctcttccca cccgattttc catcgtggcg agttctccgt gtgtgactct 120
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 gtgctgggag aagtaaacat taacaactct gtattcaaac agtacttctt cgaaactaag 240
 tgccgtgacc cgaacccggt agactctggg tgtcgcggca tcgattctaa acactggaac 300
 tcttactgca ccactactca cactttcgtt aaagcgttga ctatggatgg taaacaggct 360
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<222> 5
<223> Xaa=bAla
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Gly Cys Gly Lys Xaa Phe Ala Lys Leu Ala Ala Arg Leu Tyr Arg Lys
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Ala
<210> 72
<211> 5
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<223> Based on Homo sapiens
<221> VARIANT
<222> (1)...(5)
<223> Xaa at position 1 is any amino acid containing or
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      3, and 4 is any amino acid. Xaa at position 5 is
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Xaa Xaa Xaa Xaa
<210> 73
<211> 5
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<223> based on Homo sapiens
<400> 73
Gly Lys Lys Lys
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<213> Artificial Sequence





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